

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:

an encoder that encodes source data to generate
transmission data;

5 a communication device that transmits the
transmission data generated by the encoder to an
external device;

means for determining a quality with which the
source data is to be transmitted, in accordance with a
10 type of the source data; and

means for controlling the encoder to vary an
amount of the generated transmission data on the basis
of the determined quality.

2. The electronic apparatus according to claim 1,
15 wherein the controlling means includes means for
setting in the encoder a value of sampling frequency,
which is to be used in the encoding of the source data,
in accordance with the determined quality.

3. The electronic apparatus according to claim 1,
20 wherein the controlling means includes means for
setting in the encoder a kind of an encoding scheme,
which is to be used in the encoding of the source data,
in accordance with the determined quality.

4. The electronic apparatus according to claim 1,
25 wherein the controlling means includes means for
setting in the encoder a kind of an encoding scheme,
which is to be used in the encoding of the source data,

and a value of sampling frequency, which is to be used in the encoding of the source data, in accordance with the determined quality.

5 5. The electronic apparatus according to claim 1, further comprising a plurality of input devices capable of inputting data,

 wherein the quality determining means includes means for detecting the type of the source data by determining from which of the input devices the source data is input.

 6. The electronic apparatus according to claim 1, wherein the communication device includes a wireless communication device that executes communication with the external device via a wireless network, and

15 the quality determining means includes:

 means for detecting a number of devices connected to the wireless communication device via the wireless network; and

 means for determining the quality with which the source data is to be transmitted, on the basis of the detected number of devices and the type of the source data.

 7. The electronic apparatus according to claim 1, wherein the communication device includes a wireless communication device that executes communication with the external device via a wireless network,

25 the source data includes audio data,

the electronic apparatus further includes means for determining whether a device that transmits image data is connected to the wireless communication device via the wireless network, and

5 the quality determining means includes means for determining, when the device that transmits image data is connected to the wireless communication device, the quality with which the source data is to be transmitted, such that transmission of the image data
10 is executed with priority over transmission of the source data.

8. A program that is stored in a computer-readable medium and controls communication for transmitting transmission data, which is generated by
15 encoding source data, from a computer to an external device, comprising:

 causing the computer to determine a quality with which the source data is to be transmitted, in accordance with a type of the source data; and

20 causing the computer to execute a process of controlling an operation of the encoding to vary an amount of the generated transmission data on the basis of the determined quality.

9. The program according to claim 8, wherein
25 said causing the computer to execute the process of controlling the operation of the encoding includes causing the computer to execute a process of

determining a value of sampling frequency, which is to be used in the encoding process, in accordance with the determined quality.

5 10. The program according to claim 8, wherein said causing the computer to execute the process of controlling the operation of the encoding includes causing the computer to a process of determining a kind of an encoding scheme, which is to be used in the encoding process, in accordance with the determined
10 quality.

11. The program according to claim 8, wherein said causing the computer to execute the process of controlling the operation of the encoding includes causing the computer to execute a process of determining a kind of
15 an encoding scheme, which is to be used in the encoding process, and a value of sampling frequency, which is to be used in the encoding process, in accordance with the determined quality.

12. The program according to claim 8, wherein said
20 causing the computer to determine the quality includes causing the computer to execute a process of detecting the type of the source data by determining from which of a plurality of input devices of the computer the source data is input.

25 13. The program according to claim 8, wherein the computer is connected to the external device via a wireless network, and

said causing the computer to determine the quality includes:

causing the computer to execute a process of detecting a number of devices connected to the computer via the wireless network; and

causing the computer to execute a process of determining the quality with which the source data is to be transmitted, on the basis of the detected number of devices and the type of the source data.

14. The program according to claim 8, wherein the computer is connected to the external device via a wireless network,

the source data includes audio data,

the program further includes causing the computer to execute a process of determining whether a device that transmits image data is connected to the computer via the wireless network, and

said causing the computer to determine the quality includes causing the computer to execute a process of determining, when the device that transmits image data is connected to the wireless communication device, the quality with which the source data is to be transmitted, such that transmission of the image data is executed with priority over transmission of the source data.